2000V W

Portable Power Cable 90˚C UL C(UL) MSHA Industrial Grade

RoHS COMPLIANT

SPECIFICATIONS & STANDARDS

ICEA S-75-381/NEMA WC58, ICEA S-95-658/NEMA WC70, ASTM B172, ASTM B 33, UL 44

CONSTRUCTION:

Conductors: Flexible strand tin copper, ASTM B-172 and ICEA S-75-381/NEMA WC58
Separator: Tape separator between conductor and insulation
Insulation: Ethylene-propylene rubber (EPR), ICEA S-75-381 sec 3.15, table 3-16
Assembly: Conductors and rubber fillers cabled to form round core
Reinforcement: Single faced rubber filled binder tape over insulation
Jacket: Black heavy duty CPE thermoset compound, ICEA S-75-381 sec 3.4, table 3-4
Color Code: ICEA S-75-381 sec 3.18; black, white, red, green, orange.

FEATURES	APPLICATIONS
- Excellent flexibility - Water resistant and flame resistant - Rated and flexible at –40ºC to +90ºC - Excellent impact and abrasion resistant - Ozone sunlight oil, grease, weather, chemical resistant	- Portable power systems - Other industrial applications - Mining application where bare grounding conductors are not required

APPROVALS:

UL: E207132 – Oil Resistant; Oil Resistant Inners; Sunlight Resistant; 90C Wet or Dry
C(UL): E207132 - FT1; FT5; -40˚C +90˚C
MSHA: P-7K-268101

SPECIAL FACTORY OPTIONS:

Jacket: Other colors available
MSHA: P-7K-268077 (Neoprene)
CSA: 1523058 (LR 103932) – FT1; FT5; 90C; (-40C) (Neoprene)

TINNED COPPER CONDUCTORS (STANDARD)

Part Number	Power Conductor Size	Power Conductor Stranding	Nominal Insulation Thickness		Nominal O.D.		Approx. Weight		Ampacity (1) 40°C Ambient Temp.
	AWG or MCM	No. of Stranding	inches	mm	inches	mm	lbs/1000 ft	kgs/km	A
W8-5	8 AWG	133 7x19	0.06	1.52	1.07	27.2	776	1154	50
W6-5	6 AWG	259 7x37	0.06	1.52	1.24	31.5	1024	1524	68
W4-5	4 AWG	259 7x37	0.06	1.52	1.36	35.2	1432	2131	88
W2-5	2 AWG	259 7x37	0.06	1.52	1.56	39.8	2051	3052	116
W1-5	1 AWG	259 7x37	0.06	1.52	1.85	47.1	2665	3967	136
W1/0-5	1/0 AWG	266 19x14	0.08	2.03	1.98	50.4	3406	5069	150
W2/0-5	2/0 AWG	342 19x18	0.08	2.03	2.13	54.1	3596	5351	172
W3/0-5	3/0 AWG	418 19x22	0.08	2.03	2.27	57.6	4728	7035	200
W4/0-5	4/0 AWG	532 19x28	0.08	2.03	2.46	62.6	5512	8203	230

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

STANDARD PRINT LEGEND:

TF CABLE (SIZE) TYPE W PORTABLE POWER CABLE 2000V 90C SUN RES OIL RES 90C WET OR DRY (UL) E207132 C(UL) FT1 FT5 (-40°C) P-7K-268101-MSHA

TF Kable
TELE-FONIKA CABLE AMERICAS
555 Remington Blvd, Bolingbrook, IL 60440 | tel: 630-406-9000 fax: 630-406-6574
e-mail: sales@tfcable.com | http://www.tfcable.com